



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2007-07-01

Effective Date: 21 Aug. 2007

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro de Homologação Aeronáutica (RBHA) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2007-07-01 - EMBRAER - Amendment 39-1190.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer aircraft models EMB-145() which have incorporated the Embraer Service Bulletin No. 145-00-0032 original issue, or further revisions approved by the ANAC.

CANCELLATION / REVISION:

Not applicable.

REASON:

Embraer has issued the Service Bulletin (SB) No. 145-00-0032 to provide instructions to modify the EMB-145() aircraft and allow operation with an increased Maximum Takeoff Weight (MTOW). Reassessment of the Damage Tolerance Analysis during development of this SB resulted in changes to the Airworthiness Limitation Items (ALI) for those modified aircraft to include new tasks and to revise some existing ones and its respective intervals.

Failure to inspect some structural components, according to the new tasks and intervals for those modified aircraft, could prevent a timely detection of fatigue cracking. Undetected fatigue cracking in these components could adversely affect the structural integrity of these airplanes.

Since this condition affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

Updating of the aircraft approved maintenance program according to the Maintenance Review Board Report (MRBR).

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 60 days after the effective date of this AD, modify the aircraft approved maintenance program to include the tasks presented in the Appendix 2 – Airworthiness Limitation Requirements, Section 4 – Structural Inspection Requirements and Section 5 – Corrosion Prevention and Control Program, as shown in the Embraer MRB-145/1150 Temporary Revision 10-5, dated 23 May 2007, or further MRBR revisions approved by ANAC, with the intervals stated in that document.

Record compliance with this AD in the applicable maintenance log book.

Brazilian AD

CONTACT:

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NOTE: Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).